

41. (New) The interactive system according to claim 35, wherein the linker is selected from the group consisting of (poly)alkylene glycols, (poly)ethylene glycols, (poly)alkylene imines, (poly)alkylene amines and (poly)alkylene sulfides.

42. (New) The interactive system according to claim 35, wherein the surface is a membrane, a porous or solid microparticle, a magnetic microparticle, a filter mat, a fibrous material, a spun material or a combination thereof, or a coating made from a natural or synthetic substance.

43. (New) The interactive system according to claim 35, wherein the system is comprised within a capillary tube system, a filter for physiological liquids, a dialyzer, a physiological replacement fluid, an enzyme delivery system, an arthroplasty or vascular prosthesis, or an artificial organ.

44. (New) The interactive system according to claim 35, wherein the physiologically active substance is selected from the group consisting of an anticoagulant, a metabolically active enzyme, an antibiotic and a synthetic pharmacon.

45. (New) An interactive system according to claim 44, wherein the anticoagulant is selected from the group consisting of heparin, hirudin, directly acting antithrombins and prothrombin.

46. (New) The interactive system according to claim 35, wherein the coupled substance further comprises an enzyme and a pharmaceutical composition.

35. *omitted* 47. (New) A composition comprising an interactive system according to claim

48. (New) The composition according to claim 47, wherein the composition is comprised within a type of food.

49. (New) The composition according to claim 48, wherein the type of food is a dietary food or designer food.

50. (New) The composition according to claim 47, wherein the composition is a pharmaceutical composition.

51. (New) The interactive system according to claim 35, adapted for treatment of disorders selected from the group consisting of metabolic diseases, coagulation defects, viral, bacterial, mycotic infections, parasitic infections and malignant diseases. - -